

METHODS AND APPARATUS FOR DETECTING LOCAL MAXIMUMS IN A TWO-DIMENSIONAL DATA SET

ABSTRACT

[00068] Methods and apparatus for detecting local maximums in a two-dimensional data set. Apparatus is provided for detecting a local maximum in a two-dimensional data set, where a stream of data elements represents the data set. The apparatus includes first detection logic that receives the data stream and operates to detect a first data element that represents a peak in a first dimension of the data set. The apparatus also includes second detection logic that receives the data stream and operates to detect a second data element that represents a peak in a second dimension of the data set, wherein a local maximum is detected if the first and second data elements are the same element.